



ELECTRONIC TUBE REFERENCE

9C25

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled grounded-grid power triode for communications and industrial RF service. Rated around 17.5 kW plate dissipation, with published operation providing roughly 18 kW RF output and reduced ratings usable to about 100 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 285 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	11500 V
MAXIMUM PLATE DISSIPATION	17500 W
MAXIMUM CATHODE CURRENT	4 A
<i>Published ratings and characteristics promoted where clearly applicable; additional published values retained as section parameters.</i>	

Forced-air-cooled grounded-grid power triode for communications and industrial RF service, with full ratings through 30 MHz and reduced ratings to 100 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1940 RCA

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6 V	Published nominal value
Heater or filament current	285 A	Published nominal value
Cooling	Forced air	External plate radiator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	17500 W	Published maximum
Maximum full-rating frequency	30 MHz	Full plate voltage, plate input, and grid current
Maximum reduced-rating frequency	100 MHz	Reduced plate voltage, plate input, and grid current
Maximum plate input	40 kW	Class B / Class C maximum
Typical RF power output	9.2 kW	Grounded-filament RF service example
Typical RF power output	18 kW	Grounded-grid RF service example

TUBE TINKER

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